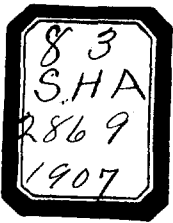


2869



Diag. Cht. No. 6102-1

Department of Commerce and Labor
COAST AND GEODETIC SURVEY

O. T. Tammann
Superintendent

U. S. C. & G. SURVEY.

MAY 17 1907

Acc. No. 2869

State: *Wash. & D. C.*

DESCRIPTIVE REPORT.

Hydc Sheet No. *2869*

LOCALITY:

Entrance to Strait of
Juan de Fuca, Swiftsure
Bank.

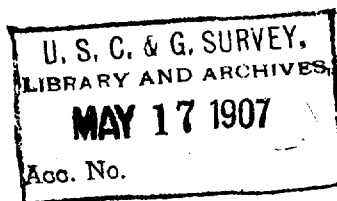
1907

CHIEF OF PARTY:

E. F. Dickins

2869

2869



Examination of
SWIFTSURE BANK,
off

Entrance to Strait of ^{Juan de} Fuca,
Washington. + B.C.

Swiftsure Bank

Scale $\frac{1}{50.000}$

By Party on Steamer "McArthur",
E. F. Dickins, Commanding.
April 19th, 20th & 24th, 1907.

Sheet 2869

Shoals of Juan de Fuca. Entrance to.

The soundings were plotted in pencil by field party without reduction for tides. The soundings were reduced by reducers furnished by Tidal Division corrected and inked. The 23 fathom sounding near Buoy was not confirmed. The 21 fathom shoal N.W. from Buoy was better developed.

June 12, 1907

J. C. Dunn

The work was well done and the results are satisfactory - Agreement with previous B. A. Surveys is excellent -

The need for further development is not apparent -

J. C. Dunn

6-13-07

Department of Commerce and Labor

Sheet 2869 Ent & Strait of
~~San~~ Juan de Fuca

	Let	Vol	ang	Sag	mi
April 19	A	1	210	98	26.0
20	B	1	228	111	30.0
24	C	1	92	41	5.0
	3	1	530	250	61.0

The soundings are expressed in fathoms
 and refer to Mean Lower Low Waters
 as computed by Tide Division

The 24 fathom curve is shown in green
 30 " " " " " Reel
 40 " " " " " Blue

Plotted in pencil by field party
 Corrected for tides verified & signed by F.C. Dorn

J. H. Lee
 6-13-07

L.A.C.
June 8, 1907.

HYDROGRAPHIC SHEET 2869.

Swiftsure Bank, Entrance to Straits of Fuca, Washington,
by Assistant E. F. Dickens in 1907.

TIDES

	Swiftsure Bank
Mean lower low water, or	ft.
plane of reference on staff*	0.0
Lowest tide observed " "	-2.5
Highest tide observed " "	10.3
Mean rise and fall of tides	7.2

*An assumed staff, on which the tides for reduction of soundings were estimated from the Tide Tables.

Coast and Geodetic Survey
JUN 8 1907
TIDAL DIVISION

2869

U. S. C. & G. SURVEY.
LIBRARY AND ARCHIVES,

MAY 17 1907

Acc. No.

The examination of Swiftsure Bank was made in accordance with the Superintendents Instructions of March 28th, 1907.

The lines were run with the vessel and the position of each sounding determined. The least water we found was 22 fathoms; the bottom was generally sand, gravel and coral.

The position of Pachina Light House, which we used in the work, was determined from Theodolite angles from Tatoosh and Carmanah Light Houses and was plotted with a protractor, as we had no data from which to compute it. It does not agree with the position given on the projection from the Office.

Cape Beale Light House could not be seen from either Tatoosh, Carmanah or Pachina Light Houses and only occasionally from the vessel, so that its determination is not good.

This examination is not as thorough as I would have liked to make it, but our time was limited and we did the best we could under the circumstances.

E. J. Dickins
Assistant U. S. & G. Survey
Chief of Party.